**Table 1: Composition of Research Diets used in the study**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Ingredients | Control Diet D12450B | | High Fat Diet  D12451 | |
| gm% | kcal% | kcal | gm% |
| Protein | 19.2 | 20 | 20 | 24 |
| Carbohydrate | 67.3 | 70 | 35 | 41 |
| Fat | 4.3 | 10 | 45 | 24 |
| Total kcal/gm | 3.85 | 100 | 100 | 4.73 |
|  |  | |  | |
| Ingredient | gm | kcal | kcal | gm |
| Casein, 30 Mesh | 200 | 800 | 800 | 200 |
| L-Cystine | 3 | 12 | 12 | 3 |
| Corn Starch | 315 | 1260 | 291 | 72.8 |
| Maltodextrin 10 | 35 | 140 | 400 | 100 |
| Sucrose | 350 | 1400 | 691 | 172.8 |
| Cellulose, BW200 | 50 | 0 | 0 | 50 |
| Soybean Oil | 25 | 225 | 225 | 25 |
| Lard | 20 | 180 | 1598 | 177.5 |
| Mineral Mix S10026 | 10 | 0 | 0 | 10 |
| DiCalcium Phosphate | 13 | 0 | 0 | 13 |
| Calcium Carbonate | 5.5 | 0 | 0 | 5.5 |
| Potassium Citrate, 1 H2O | 16.5 | 0 | 0 | 16.5 |
| Vitamin Mix V10001 | 10 | 40 | 40 | 10 |
| Choline Bitartrate | 2 | 0 | 0 | 2 |
| FD&C Red Dye #40 | 0.05 | 0 | 0 | 0.05 |
| FD&C Blue Dye #1 |  |  |  |  |
| Total | 1055.05 | 4057 | 4057 | 858.15 |